# CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

**NABL** - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377


Job No.: CTCE/BBMP/KD&Co/W.No.16/CSR-03/300g/Cube/2016-17 05.05.2017

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | | |
|---|---|---|
| * Customer | : | **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore. |
| * Agency | : | **M/s. K. Damodar & Co.,** No.71, East Park Road, Between 13rh and 14th Cross, Malleshwaram, Bangalore – 560 003. |
| * Name of the work | : | Construction of Building and Development of Govt. School and improvements in school premises at Jalahalli village in Ward No.16, BBMP, Bangalore. |
| * Reference | : | EE(Proj)/RRN/WO/48/2016-17 Dated: 27.10.2016 |
| * Sample ID | : | RCC Column Concrete |
| Technical Reference | : | IS: 516-1959 (RA-2013) |
| Size of cubes | : | 150mmx150mmx150mm |
| Cross Sectional Area | : | 22500 $mm^2$ |
| * Grade of Concrete | : | $M_{20}$ |
| Compressive Strength as on | : | $7^{th}$ day |
| Sample Received on | : | 05.05.2017 |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 28.04.2017 | 05.05.2017 | 8.190 | 330.3 | 14.68 |
| 2 | 28.04.2017 | 05.05.2017 | 8.216 | 340.8 | 15.15 |
| 3 | 28.04.2017 | 05.05.2017 | 8.338 | 352.2 | 15.65 |

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

**Note:**

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

*********

VIDYARANI P.K.
Technical Manager

# CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

**NABL** - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377


Job No.: CTCE/BBMP/KD&Co/W.No.16/CSR-03/300g/Cube/2016-17 05.05.2017

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | | |
|---|---|---|
| *** Customer** | : | **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore. |
| *** Agency** | : | **M/s. K. Damodar & Co.,** No.71, East Park Road, Between 13rh and 14th Cross, Malleshwaram, Bangalore – 560 003. |
| *** Name of the work** | : | Construction of Building and Development of Govt. School and improvements in school premises at Jalahalli village in Ward No.16, BBMP, Bangalore. |
| *** Reference** | : | EE(Proj)/RRN/WO/48/2016-17 Dated: 27.10.2016 |
| *** Sample ID** | : | RCC Column Concrete |
| **Technical Reference** | : | IS: 516-1959 (RA-2013) |
| **Size of cubes** | : | 150mmx150mmx150mm |
| **Cross Sectional Area** | : | 22500 $mm^2$ |
| *** Grade of Concrete** | : | $M_{20}$ |
| **Compressive Strength as on** | : | $7^{th}$ day |
| **Sample Received on** | : | 05.05.2017 |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 28.04.2017 | 05.05.2017 | 8.123 | 493.3 | 21.92 |
| 2 | 28.04.2017 | 05.05.2017 | 8.209 | 506.4 | 22.51 |
| 3 | 28.04.2017 | 05.05.2017 | 8.357 | 528.7 | 23.50 |

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

*********

VIDYARANI P.K.
Technical Manager

# CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

**NABL** - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED


Job No.: CTCE/BBMP/KD&Co/W.No.16/Steel/2016-17 20.03.2017

## TEST REPORT ON REINFORCEMENT STEEL

| | | |
|---|---|---|
| * Customer | : | **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore. |
| * Agency | : | **M/s. K. Damodar & Co.,** No.71, East Park Road, Between 13rh and 14th Cross, Malleshwaram, Bangalore – 560 003. |
| * Name of work | : | Construction of Building and Development of Govt. School and improvements in school premises at Jalahalli village in Ward No.16, BBMP, Bangalore. |
| * Reference | : | EE(Proj)/RRN/WO/48/2016-17 Dated: 27.10.2016 |
| * Samples ID | : | 8mm Bar |
| Technical Reference | : | IS: 1786-2008 |
| Date of Testing | : | 20.03.2017 |

| Sl No | Nominal size (dia) (mm) | Mass per metre (Kg/mtr) | TENSILE STRENGTH | | | Bend Test | Rebend Test |
|---|---|---|---|---|---|---|---|
| | | | 0.20% proof stress/Yield stress N/mm2 | Tensile strength (Ultimate stress) N/mm2 | Elongation percent gauge length | | |
| 1 | 8 | 0.39 | 510 | 512 | 13.05 | O.K | O.K |

*Information is furnished by the Customer/Representative.

**Note:**

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

**********

Civil-tech Consultants & Engineers
#23/14, 7th Cross 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.